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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/898,161	07/02/2001	Luan Chi Chen	262/134	2624

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EXAMINER

LEE, MICHAEL

ART UNIT

PAPER NUMBER

2614

DATE MAILED: 05/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/898,161

Applicant(s)

CHEN, LUAN CHI

Examiner

M. Lee

Art Unit

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 February 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 and 20-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-7 is/are allowed.
- 6) ☒ Claim(s) 8-12, 17 and 20-23 is/are rejected.
- 7) ☒ Claim(s) 24, 25 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 8-12, 17, 20-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Takahata et al. (JP 405,13054A) in view of JP07079398.

Regarding claims 8-11, Takahata discloses a screen 5, a mirror 7, an upper compartment 2, and a lower compartment 21 having a front panel 12, a rear panel 21, two side panels (Figure 9, d) with angled supports, except that Takahata does not explicitly specify that the vertical side panels have two angled openings. In any event, Takahata clearly suggests that there must be some kinds of attachment means in between the elements (d) and the vertical side panels in order to have a stable and sturdy cabinet. JP07079398, from the similar field of endeavor, teaches the use of mortise and tendon joint for holding a projector bracket 5 and projector housing panel 14 together (see Figures 7 and 8). With such setup, the projectors in JP07079398 are securely installed onto the projector housing. Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to replace the angled

Art Unit: 2614

supports of Takahata with the mortise and tendon joint of JP07079398 to join the projector bracket (i) with the vertical panels together so that they could form a secure entity. To further reinforce the joints, adhesive such as glue could be applied in between the mortise and tendon since glue is intended to join objects together. It would have considered an obvious design choice.

Regarding claims 12, 17, in addition of above, Takahata does not specify the notch and detent as claimed. JP07079398, from the similar field of endeavor, teaches the notch and detent as claimed (see Figure 7). By using the notch and detect, the projector bracket can be attached to the side panel 14 securely. Hence, by using the similar concept of JP07079398, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the support means (d) in Figure 9 of Takahata to include notches and detents on to the support means (d) and the projector bracket, respectively, to perform the well known functions as claimed.

Regarding claim 20, the screw holes (h) meet the plurality of openings as claimed.

Regarding claim 21, see similar rejection as set forth for claims 8-11.

Regarding claim 22, the modification of the support element (d) in Takahata with the notch and detent of JP07079398 as recited above meets the elongated body as claimed.

Regarding claim 23, Takahata further shows that the projector bracket has a third and a fourth ends which are attachable to two different panels.

Allowable Subject Matter

3. Claims 1-7 are allowed.
4. Claims 24 and 25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

5. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Lee whose telephone number is **703-305-4743**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **John Miller**, can be reached at **703-305-4795**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 872-9306 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Application/Control Number: 09/898,161

Page 5

Art Unit: 2614

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.



M. Lee
Primary Examiner
Art Unit 2614

April 28, 2004